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22434 7590 12/31/2009

Weaver Austin Villeneuve & Sampson LLP
P.O. BOX 70250
OAKLAND, CA 94612-0250

EXAMINER

NGUYEN, DUSTIN

ART UNIT

PAPER NUMBER

2454

DATE MAILED: 12/31/2009

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/693,279

10/23/2003

Arthur Howarth

CISCP347/289667

4138

TITLE OF INVENTION: METHODS AND DEVICES FOR SHARING CONTENT ON A NETWORK

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0	\$1810	03/31/2010

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

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If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

**Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE
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INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

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22434 7590 12/31/2009

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(Depositor's name)
(Signature)
(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/693,279	10/23/2003	Arthur Howarth	CISC347/289667	4138

TITLE OF INVENTION: METHODS AND DEVICES FOR SHARING CONTENT ON A NETWORK

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0	\$1810	03/31/2010

EXAMINER	ART UNIT	CLASS-SUBCLASS
NGUYEN, DUSTIN	2454	709-229000

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).

- ☐ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.
- ☐ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. **Use of a Customer Number is required.**

2. For printing on the patent front page, list

- (1) the names of up to 3 registered patent attorneys or agents OR, alternatively, 1 _____
- (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed. 2 _____
- 3 _____

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE

(B) RESIDENCE: (CITY and STATE OR COUNTRY)

Please check the appropriate assignee category or categories (will not be printed on the patent) : ☐ Individual ☐ Corporation or other private group entity ☐ Government

4a. The following fee(s) are submitted:

- ☐ Issue Fee
- ☐ Publication Fee (No small entity discount permitted)
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4b. Payment of Fee(s); (Please first reapply any previously paid issue fee shown above)

- ☐ A check is enclosed.
- ☐ Payment by credit card. Form PTO-2038 is attached.
- ☐ The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment, to Deposit Account Number _____ (enclose an extra copy of this form).

5. Change in Entity Status (from status indicated above)

- ☐ a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27. ☐ b. Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(g)(2).

NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.

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This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/693,279	10/23/2003	Arthur Howarth	CISCP347/289667	4138
22434	7590	12/31/2009	EXAMINER	
Weaver Austin Villeneuve & Sampson LLP P.O. BOX 70250 OAKLAND, CA 94612-0250			NGUYEN, DUSTIN	
			ART UNIT	PAPER NUMBER
			2454	
DATE MAILED: 12/31/2009				

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b) (application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 1006 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 1006 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (<http://pair.uspto.gov>).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

Notice of Allowability	Application No.	Applicant(s)	
	Examiner	Art Unit	
	10/693,279 DUSTIN NGUYEN	HOWARTH ET AL. 2454	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 07/28/2009.
2. ☒ The allowed claim(s) is/are 1, 2, 4-8, 10-14 and 16-18, now renumbered as 1-15.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|---|--|
| <ol style="list-style-type: none"> 1. <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) 3. <input checked="" type="checkbox"/> Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date <u>07/28/09, 12/15/09</u> 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit of Biological Material | <ol style="list-style-type: none"> 5. <input type="checkbox"/> Notice of Informal Patent Application 6. <input type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date _____. 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment 8. <input type="checkbox"/> Examiner's Statement of Reasons for Allowance 9. <input type="checkbox"/> Other _____. |
|---|--|

/DUSTIN NGUYEN/
Primary Examiner, Art Unit 2454

EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Applicants' attorneys, Mr. Roger Sampson, and Jeffrey Kuhn on 11/06/2009.

Please amend the claims as follows:

1. (Currently Amended) A computer readable storage medium with a computer program stored thereon for providing controlled access to a home network, the computer program including instructions for causing one or more devices of the home network to perform steps comprising:

receiving a log-in attempt from a remote user, the log-in attempt originating from an Internet protocol address, the remote user communicating with the home network via a first protocol suitable for Internet communication;

verifying that the remote user is an authorized user of the home network;

generating a network address translation rule associating the Internet protocol address with a port of a device on the home network;

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dynamically generating a Web page, the Web page including links to content on one or more devices on the home network, the content accessible to the one or more devices via a second content protocol, the second protocol being different from the first protocol, the second protocol being a content protocol that allows local file sharing of content, wherein the local file sharing of content comprises one or more devices reading files stored on one or more different devices, the Web page graphical user interface allowing the remote user to select only content or services that the remote user is authorized to select;

transmitting, from a gateway of the home network, the Web page to the remote user;

receiving a selection request from the remote user;

receiving content from the device using [[a]] the content protocol and without accessing a Web server; and

providing content or services to the remote user according to the selection request, wherein the receiving, verifying, generating and providing are performed by one or more devices of the home network.

2. (Currently Amended) The computer-readable medium of claim 1, the computer program further comprising instructions for causing [[a]] the gateway of the home network to transmit authentication information regarding the remote user to one or more devices of the home network after verifying that the remote user is an authorized user of the home network.

3. (Cancelled)

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4. (Currently Amended) The computer-readable medium of claim [[3]] 1, wherein the first protocol is HTTP.

5. (Currently Amended) The computer-readable medium of claim [[3]] 1, wherein the second protocol is one of Windows networking (smb) or UPnP.

6. (Currently Amended) A gateway configured to provide controlled access to a home network, the gateway comprising:

a first port configured to receive a log-in attempt from a remote user, the log-in attempt originating from an Internet protocol address, the remote user communicating with the home network via a first protocol suitable for Internet communication;

a second port configured for attaching a network device of the home network; and
at least one processor configured to:

verify that the remote user is an authorized user of the home network;

generate a network address translation rule associating the Internet protocol address with the second port;

dynamically generate a Web page, the Web page including links to content on one or more devices on the home network, the content accessible to the gateway via a ~~content~~ second protocol, the second protocol being different from the first protocol, the second protocol being a content protocol that allows local file sharing of content, wherein the local file sharing of content comprises one or more devices reading files stored on one or

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more different devices, the Web page allowing the remote user to select only content or services that the remote user is authorized to select;

transmit the Web page to the remote user;

receive a selection request from the remote user;

receive content from the network device using ~~[[a]]~~ the content protocol and without accessing a Web server; and

provide content or services to the remote user from the network device attached to the second port according to the selection request.

7. (Currently Amended) A method of providing controlled access to a home network, the method comprising:

receiving, at the home network, a log-in request from a remote user, the remote user communicating with the home network via a first protocol suitable for Internet communication;

capturing, at the home network, the remote user's Internet protocol address;

authenticating the remote user;

automatically providing access to predetermined content, services or devices by the authenticated remote user;

dynamically generating a Web page, the Web page including links to content on one or more devices on the home network, the content accessible to the gateway via a ~~content~~ second protocol, the second protocol being different from the first protocol, the second protocol being a content protocol that allows local file sharing of content, wherein the local file sharing of content

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comprises one or more devices reading files stored on one or more different devices, the Web page allowing the remote user to select from the predetermined content, services or devices;

automatically transmitting, from a gateway of the home network, the Web page to the remote user;

receiving content from a network device using ~~[[a]]~~ the content protocol and without accessing a Web server; and

providing access to a portion of the predetermined content, services or devices according to a selection of the remote user.

8. (Currently Amended) A home network, comprising:

a first network device configured to provide content using a content protocol, wherein the first network device is not configured to provide content via a Web server; and

a gateway comprising a first port and a second port, the gateway configured to

communicate with the first network device via the first port;

communicate with an external network via the second port;

receive a log-in attempt from a remote user, the log-in attempt originating from an address on the external network, the remote user communicating with the home network

via a first protocol suitable for Internet communication;

verify that the remote user is an authorized user of the home network;

generate a network address translation rule associating the address with the first port;

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dynamically generate a Web page, the Web page including links to content on one or more devices on the home network, the content accessible to the gateway via a ~~content~~ second protocol, the second protocol being different from the first protocol, the second protocol being a content protocol that allows local file sharing of content, wherein the local file sharing of content comprises one or more devices reading files stored on one or more different devices, the Web page allowing the remote user to select only content that the remote user is authorized to select;

transmit the Web page to the remote user;

receive a first selection request from the remote user; receive content from the first network device using the content protocol; and

provide content to the remote user from the first network device according to the first selection request.

9. (Cancelled)

13. (Currently Amended) A method for providing controlled access to a home network, the method performed by one or more devices of the home network, the method comprising:

receiving a log-in attempt from a remote user, the log-in attempt originating from an Internet protocol address, the remote user communicating with the home network via a first protocol suitable for Internet communication;

automatically verifying that the remote user is an authorized user of the home network;

automatically generating a network address translation rule associating the Internet protocol address with a port of a device on the home network;

automatically generating a Web page, Web page including links to content on one or more devices on the home network, the content accessible to the one or more devices of the home network via a ~~content~~ second protocol, the second protocol being different from the first protocol, the second protocol being a content protocol that allows local file sharing of content, wherein the local file sharing of content comprises one or more devices reading files stored on one or more different devices, the Web page allowing the remote user to select only content or services that the remote user is authorized to select;

transmitting, from a gateway of the home network, the Web page to the remote user;

receiving a selection request from the remote user;

receiving content from the device using ~~[[a]]~~ the content protocol and without accessing a Web server; and

automatically providing content or services to the remote user according to the selection request, wherein the receiving, verifying, generating and providing are performed by one or more devices of the home network.

15. (Cancelled)

16. (Currently Amended) The method of claim ~~45~~ 13, wherein the first protocol is HTTP.

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17. (Currently Amended) The method of claim ~~15~~ 13, wherein the second protocol is one of Windows networking (smb) or UPnP.

18. (Currently Amended) A gateway for providing controlled access to a home network, the gateway comprising:

means for receiving a log-in attempt from a remote user, the log-in attempt originating from an Internet protocol address, the remote user communicating with the home network via a first protocol suitable for Internet communication;

means for verifying that the remote user is an authorized user of the home network;

means for generating a network address translation rule associating the Internet protocol address with a port of a device on the home network;

means for dynamically generating a Web page, the Web page including links to content on one or more devices on the home network, the content accessible to the gateway via a ~~content~~ second protocol, the second protocol being different from the first protocol, the second protocol being a content protocol that allows local file sharing of content, wherein the local file sharing of content comprises one or more devices reading files stored on one or more different devices, the Web page allowing the remote user to select only content or services that the remote user is authorized to select;

means for transmitting the Web page to the remote user;

means for receiving a selection request from the remote user;

means for receiving content from the device using ~~[[a]]~~ the content protocol and without accessing a Web server; and

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means for providing content or services to the remote user according to the selection request.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to DUSTIN NGUYEN whose telephone number is (571)272-3971. The examiner can normally be reached on Flex.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nathan Flynn can be reached on 571-272-1519. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/DUSTIN NGUYEN/
Primary Examiner, Art Unit 2454